

## Client Interview Transcript

DATE: 9/27/2018

Q: What we need to do in the beginning of the project? I feel confused about that. (C, L)

A: First you need to set an objective, know what have to be done, then limit the scope of this project, stablish function.

Q: Will the experience about working on PIC32 be helpful?

A: Yes, you may want to work with Arduino board for this design. The processing language used in Arduino is same as Microchip.

Q: Where can we test our system? i.e. Will work place provided? (C,L)

A: We have a laboratory in BEL, feel free to use there.

Q: What is the role of Dr. J? (C,L)

A: I personally tend to be a customer, instead of a expert in this area.

Q: Who or where are we designing this for? (J)

A: This project should work for public family, in other words, it shouldn't be designed a specific person.

Q: Does she or this place have a caretaker? i.e. Live alone? (J,H)

A: No, she lives alone.

Q: What are your immediate concerns about the project? (J)

A: My brother is in hospital, and he wants to know his mother's situation at any time. Like, where she is? What is she doing? But you can't let your mon keep calling for that little things. So again, I prefer this design has access to help user get information, a webpage, for example.

Q: What is the budget? (C,L,J,H)

A: Our budget should less than a thousand dollar.

Q: What would the preferred method of communication, full or half duplex? i.e. Turn off devices from main one or main device only receives data. Or dual alarm system? I.e. Oven left on, tells both caretaker and resident.

A: I won't force you to make the design has function like that, just let the user know the dweller's situation will be fine.

Q: Do you want an application to connect to? (J)

A: It doesn't need to. Do you guys know how to do that? So, I think it could be out of

scope. A webpage could be a solution you are looking for, and text message could be nice, too.

Q: Are we allowed to observe her living habit for few days? *(H)*

A: That is an interesting one. I showed this question to my mom, she's like "NO". So, you can't. And try to make this design more general to work for everyone.

Q: Are we allowed to use weight sensor underneath the floor, or a microphone, or Fit Bit, set up GPS in the vehicle that frequently-used, know how to use smart phone? Report when phone connects to Wi-fi and costs data, etc. Record home power usage. *(H)*

A: You don't have to put the sensor under the floor, cause it's hard to install it. My mom doesn't like being monitored by microphone, and don't want to wear anything. GPS is not needed since I can buy it by myself. And I don't have a plan to monitor her self-phone, but it might be an option.

Q: What power supply do you prefer? And how long should it last? *(J)*

A: Battery pack, USB. Quarterly would be good.